Performance Data Sheet

AEA3417YXD

General Information

Model	AEA3417YXD	**Refrigerant**	R-134a
Test Condition	ARI	**Performance Test Voltage**	230V ~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	RSIR

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
20	Btu/h	1380	1290	1200	1090	985	877	774
	Watts	209	213	218	222	226	230	233
	Amps	1.63	1.68	1.72	1.73	1.74	1.75	1.77
	Lb/h	17.9	17.5	17.0	16.4	15.6	14.8	13.9
25	Btu/h	1540	1460	1360	1250	1130	1020	900
	Watts	220	225	230	235	240	244	248
	Amps	1.65	1.71	1.75	1.77	1.78	1.80	1.82
	Lb/h	20.1	19.8	19.4	18.8	18.0	17.2	16.3
30	Btu/h	1720	1630	1530	1410	1290	1160	1030
	Watts	232	237	243	248	254	259	264
	Amps	1.68	1.75	1.79	1.81	1.82	1.84	1.86
	Lb/h	22.3	22.2	21.9	21.3	20.5	19.7	18.7
35	Btu/h	1910	1810	1710	1580	1450	1310	1160
	Watts	245	251	256	262	268	274	280
	Amps	1.72	1.78	1.82	1.85	1.86	1.88	1.91
	Lb/h	24.8	24.8	24.5	24.0	23.2	22.3	21.3
40	Btu/h	2110	2010	1900	1770	1620	1470	1310
	Watts	260	265	271	277	283	289	295
	Amps	1.76	1.82	1.86	1.89	1.91	1.93	1.95
	Lb/h	27.6	27.7	27.4	26.9	26.2	25.2	24.2
45	Btu/h	2330	2230	2110	1970	1810	1640	1470
	Watts	275	281	286	292	299	305	312
	Amps	1.81	1.87	1.91	1.94	1.95	1.97	2.00
	Lb/h	30.6	30.8	30.6	30.2	29.4	28.4	27.3
50	Btu/h	2580	2480	2340	2190	2020	1840	1650
	Watts	293	297	303	309	315	322	328
	Amps	1.87	1.93	1.97	1.99	2.01	2.03	2.05
	Lb/h	34.1	34.3	34.3	33.8	33.1	32.0	30.8
55	Btu/h	2860	2740	2600	2440	2250	2060	1850
	Watts	312	316	321	326	332	339	346
	Amps	1.94	2.00	2.04	2.06	2.07	2.09	2.11
	Lb/h	38.0	38.4	38.3	37.9	37.1	36.1	34.8

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	8.730132E+02	1.596818E+02	-5.738576E-01	7.220056E+00
C2	1.248869E+01	5.498910E-01	-4.428179E-03	8.337049E-02
C3	9.614947E+00	4.923715E-02	5.569190E-02	1.620558E-01
C4	-2.161310E-02	3.349865E-02	2.306551E-05	-4.612294E-03
C5	4.434347E-01	4.643658E-03	1.406939E-04	8.096961E-03
C6	-1.950518E-01	2.843079E-03	-4.749605E-04	-2.406398E-03
C7	5.004124E-03	1.827380E-04	2.660300E-06	9.606335E-05
C8	-2.141089E-03	-3.472964E-04	-2.070457E-06	-5.357518E-06
C9	-2.165744E-03	1.193810E-04	1.260090E-07	-3.333159E-05
C10	6.645734E-04	-2.037062E-05	1.306189E-06	7.763262E-06

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature